

Software Engineering

Iteration 1

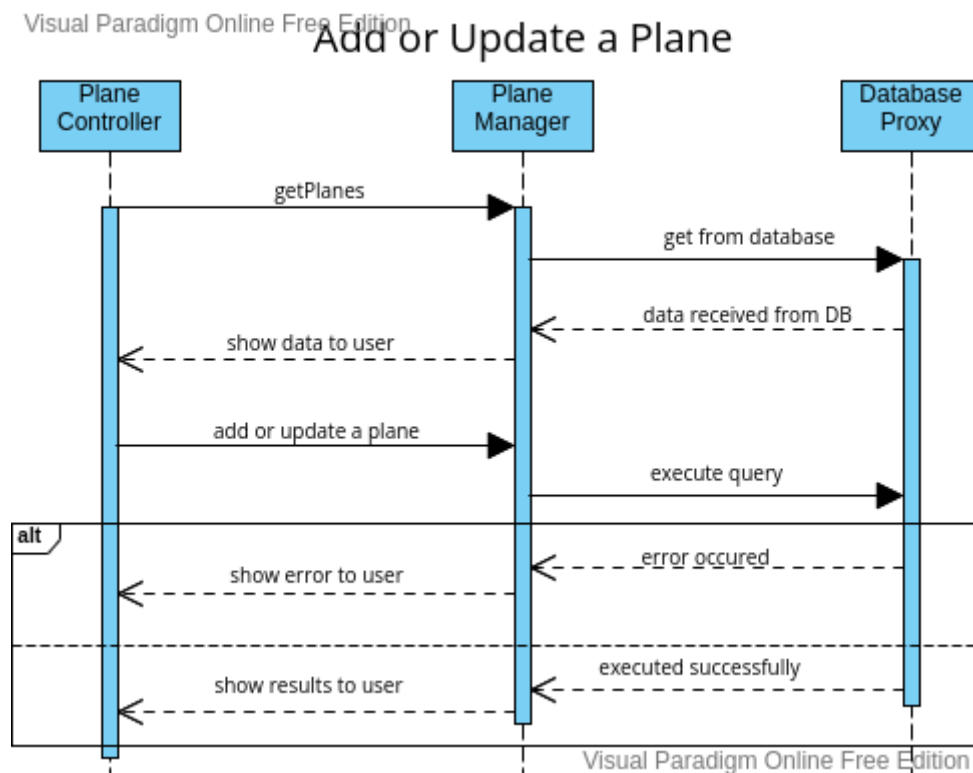
Airline System

In this iteration we provided the admin functionality :

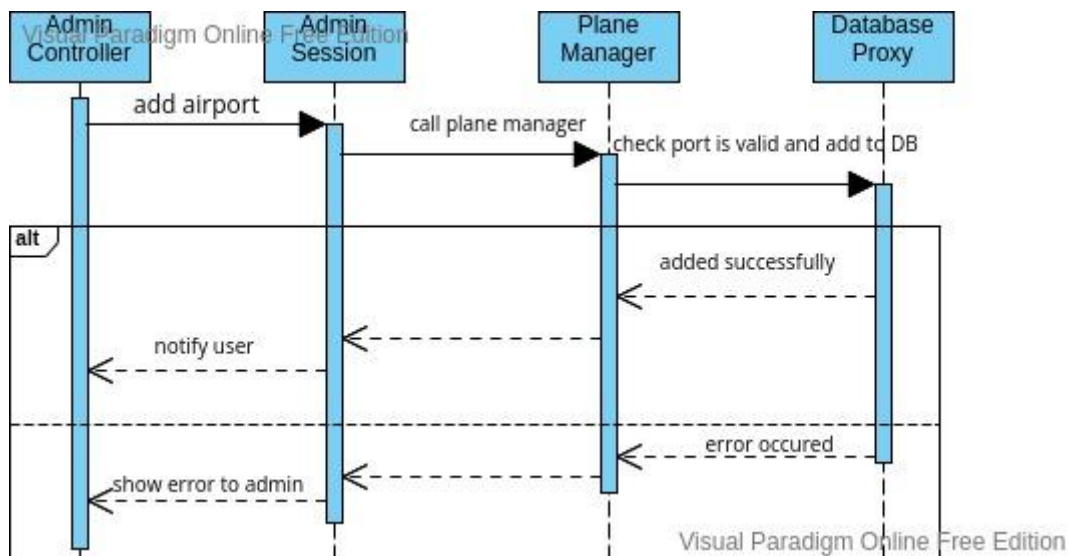
- 1)Admin can sign in to their accounts
- 2)Admin can add/delete airports to the system
- 3)Admin can add/delete planes to the system
- 4)Admin can flights to the systems

Diagrams used in the system :

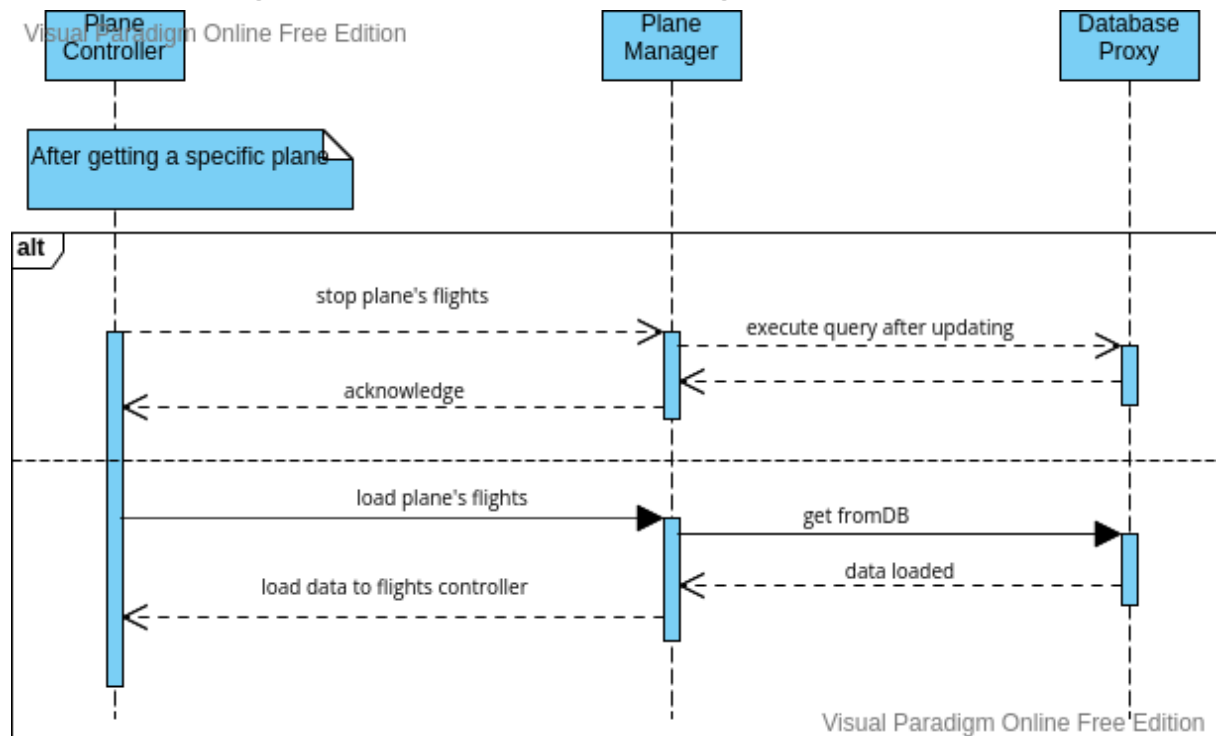
Sequence diagram for add or update planes:



Sequence diagram for add ports:



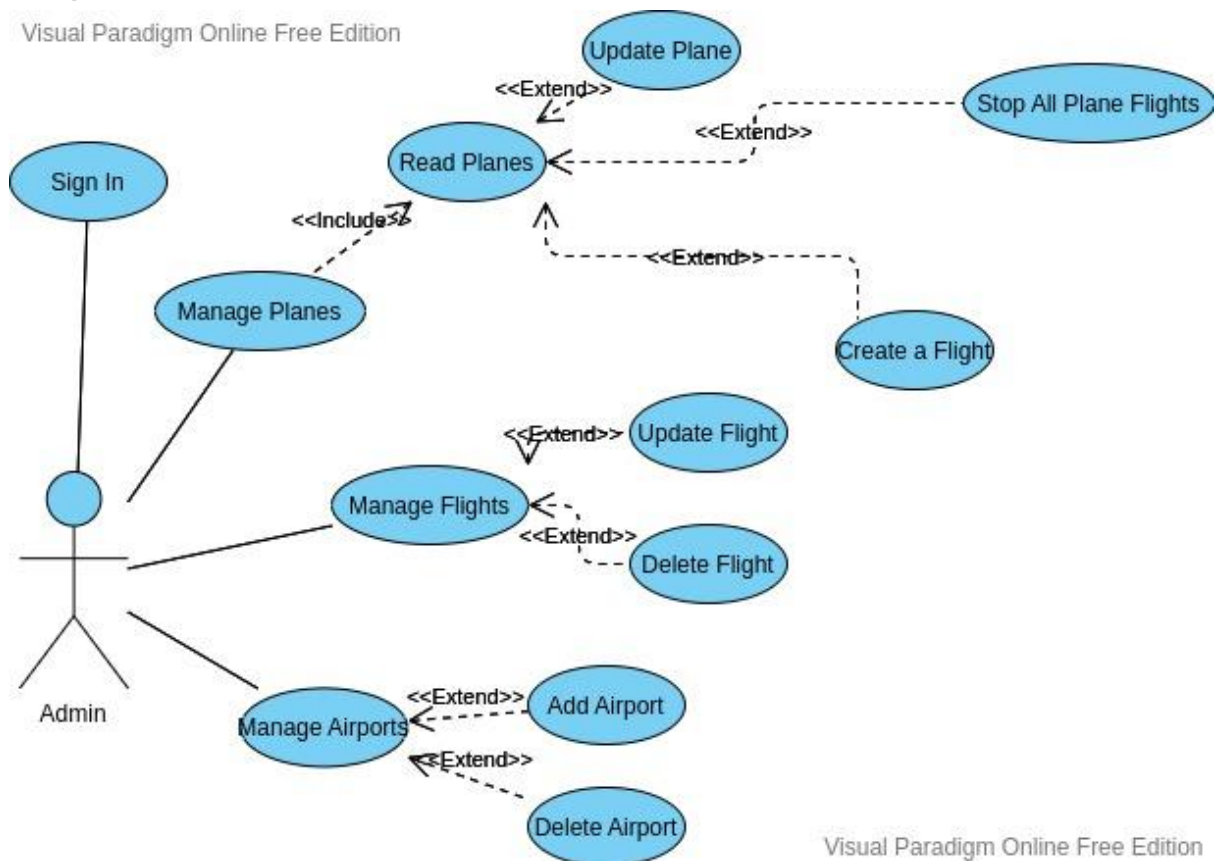
Sequence diagram for update plane's flight:



Use Case diagram of the system :

Diag

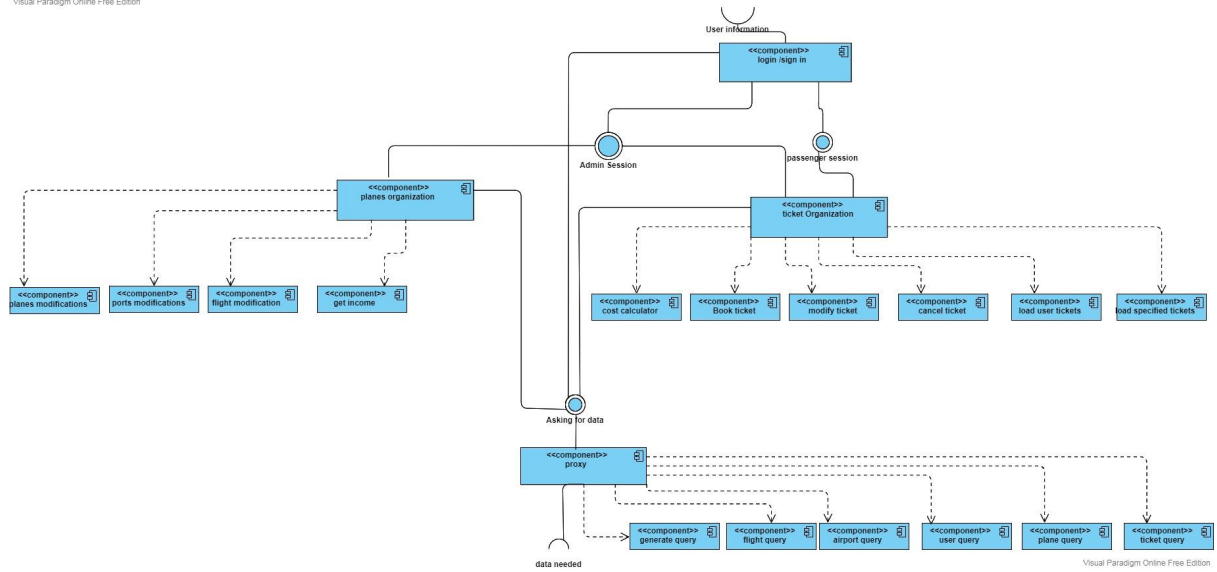
Visual Paradigm Online Free Edition



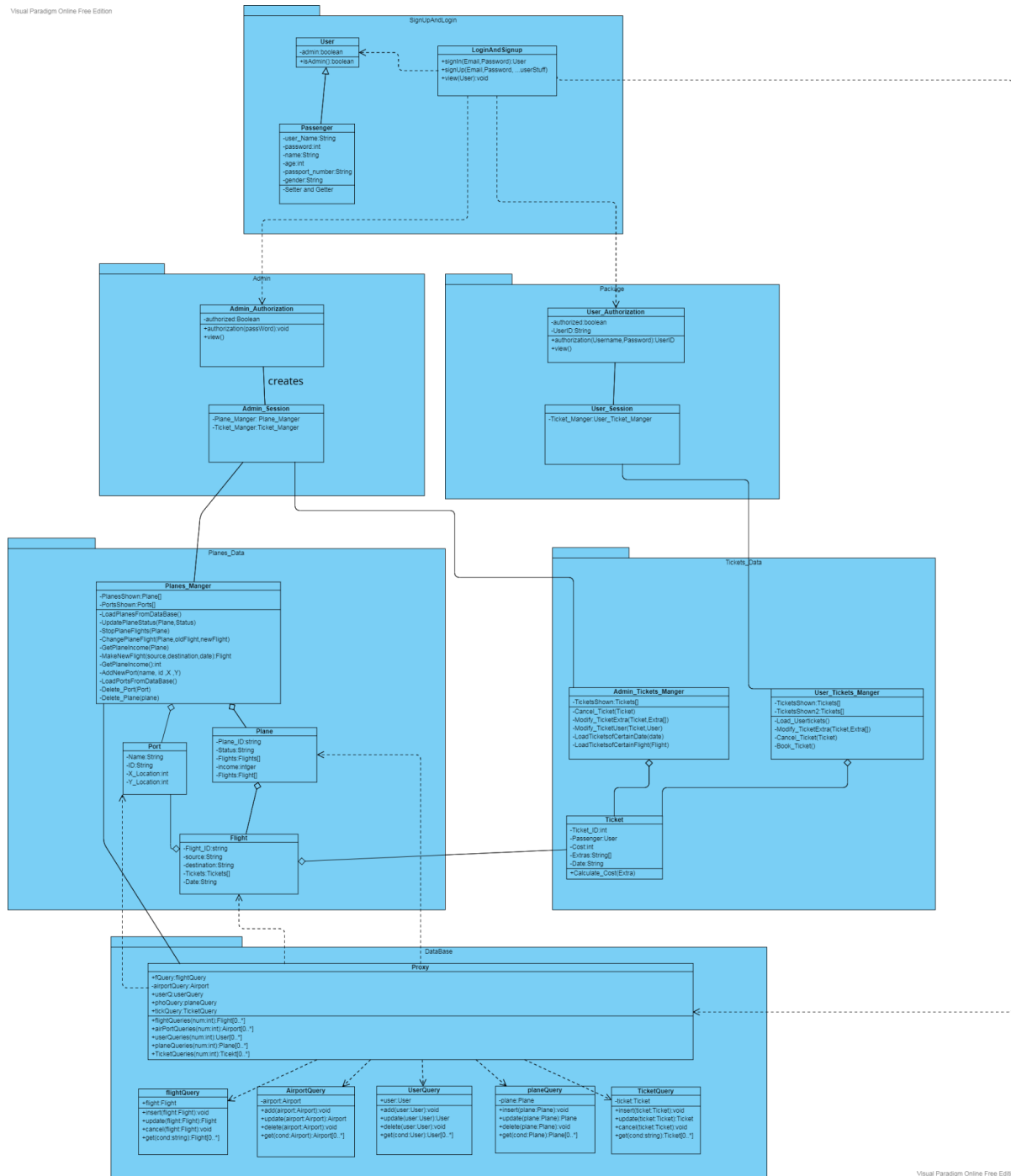
Visual Paradigm Online Free Edition

Component diagram :

Visual Paradigm Online Free Edition



Class diagram of the system :



screenshots of the system:

Login screen:

Welcome

Flight System

You are sharing your entire screen. [Stop Sharing](#)

Sign In

Username

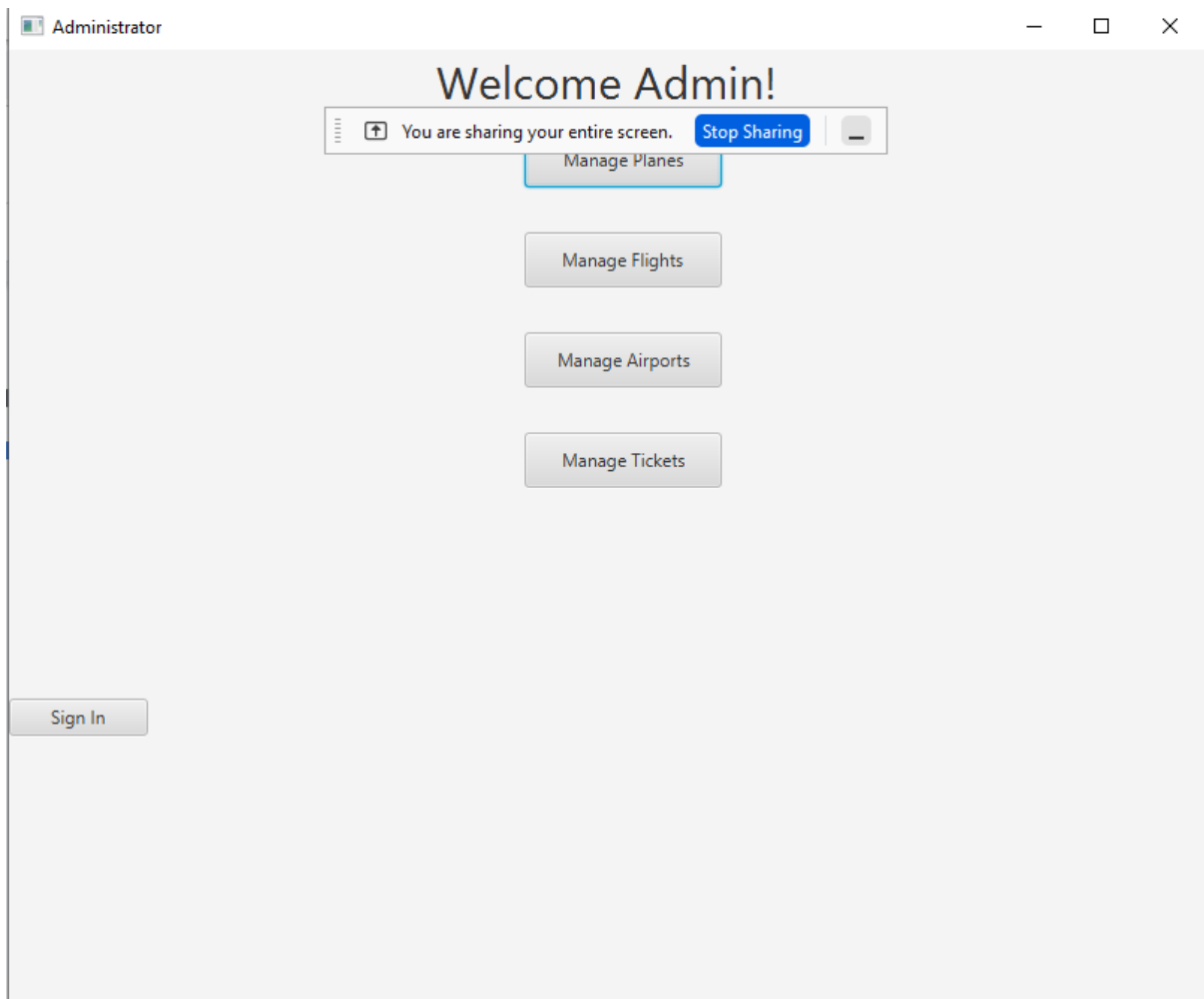
Password

[Sign In](#)

[Sign Up Here](#)

[New User?](#)

Main screen of the system:



Manage planes screen:

Planes Management

Available Planes

CreateUpdateDeleteAdmin

You are sharing your entire screen. Stop Sharing

Plane Id

Plane ID

Kind

Kind

Size

Size

Status

Status

Income

Income

show plane's flights

Add planes :

Planes Management

Available Planes

CreateUpdateDeleteAdmin

12

You are sharing your entire screen. Stop Sharing

Plane Id

12

Kind

bad

Size

15666666

Status

f16

Income

88

show plane's flights

Planes Management

Available Planes

Create Update Delete Admin

12

15

Plane Id 15

Kind good Size 154

Status seeeif Income 154165

show plane's flights

show database of plane table :

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	Plane_id	Type	No_of_seats	Income	Status
▶	12	bad	15666666	88	f16
	15	good	154	154165	seeeif
*	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Airports screen:

Airports Management

Available Airports

CreateUpdateDeleteAdmin

Borg Alarab

You are sharing your entire screen. Stop Sharing

Airport Name

Borg Alarab

Code

17

Country

Egypt

City

Alex

X:

0

Y:

0

Flight screen :

Flights Management

Available Flights

CreateUpdateDeleteAdmin

17

You are sharing your entire screen. Stop Sharing

Flight Id

17

Plane ID

12

Source

Borg Alarab Alex Egypt

Destination

Borg Alarab Alex Egypt

Date

12/28/2021

